

**Summary**

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**Title:** MATRIX METALLOPROTEINASE PEPTIDE  
**Doc Id:** JP 09-249700 A2  
**Assignee:** USA GOVERNMENT  
**Inventor(s):** LIOTTA LANCE A ; STETLER-STEVENSON WILLIAM ; KRUTZSCH HENRY  
**US class:**  
**International class:** C07K 14/81 A; C12N 09/99 -; A61K 09/08 B; A61K 38/55 B; C07H 21/04 B; C07K 07/06 B; C07K 07/08 B; C07K 16/38 B; C12N 05/10 B; C12N 15/09 B; G01N 33/573 B  
**Issue date:** 09/22/1997  
**Filing date:** 07/24/1996

**Abstract:**

**PROBLEM TO BE SOLVED:** To obtain an inhibitor of a matrix metalloproteinase effective in treating unsuitable angiogenesis, arthritis, tumor proliferation, invasion and metastasis and granulomatous inflammatory states (e.g. sarcoidosis).

**SOLUTION:** This peptide is a substantially pure peptide having an amino acid sequence: RKPRC, AAHE or VAHE in a part thereof and further the ability to inhibit a matrix metalloproteinase (e.g. TMRKPRCGNPDVAN, MRKPRCG or VAAHEFGHAMGLEHSQ). The antibody is reactive with the peptide and a pharmaceutical composition contains the peptide. The DNA is capable of coding the peptide and the vector contains the DNA. The host is transformed with the vector and the method for producing the peptide uses the host.

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